

California Regional Water Quality Control Board  
North Coast Region

Monitoring and Reporting Program No. R1-2005-0030

For

Atlantic Richfield Company  
626 Broadway  
Eureka, California  
  
Humboldt County

**MONITORING**

1. The presence of floating product shall be evaluated in each monitoring well quarterly. If detected, the thickness shall be measured to at least 0.01 foot increments quarterly.
2. The depth to groundwater in each monitoring well shall be determined to at least 0.01 foot increments quarterly. The results of each quarter's elevation shall be reported in tabular form indicating the surveyed elevations of each well reference point, depth to groundwater from reference point, and the actual groundwater elevation. The data generated from the elevation readings must be referenced to mean sea level.
3. Each monitoring well shall be sampled quarterly for Total Petroleum Hydrocarbons as gasoline (TPH-G), Total Petroleum Hydrocarbons as diesel (TPH-D), Total Petroleum Hydrocarbons as motor oil (TPH-MO), benzene, toluene, ethylbenzene, xylene (collectively identified as BTEX), and lead. The analyses shall be performed at a certified laboratory.
4. All newly installed monitoring wells will be sampled quarterly for the contaminants applicable to the area of well installation.

**REPORTING**

A groundwater elevation contour map shall be submitted for each quarterly set of measurements and include the facility, groundwater flow pattern including the direction of the groundwater gradient, and the location of the wells measured. Quarterly monitoring reports, including quarterly gradient data and sampling data, shall be submitted to this office in accordance with the following schedule:

**Reporting Period**

**Due Date**

January, February, March  
April, May, June  
July, August, September  
October, November, December

April 30  
July 30  
October 30  
January 30

Ordered by \_\_\_\_\_

Catherine E. Kuhlman  
Executive Officer  
April 29, 2005